Technologis like Real Time Digital Simulator (RTDS), Flexible AC Transmission System (FACTS).

Linking eastern with southern region power grid

4691. DR. Y. LAKSHMI PRASAD: Will the Minister of POWER be pleased to state the steps taken to link power surplus eastern region and the power starved southern region at an early date?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM): Presently, the Eastern Region is connected with the Southern Region by the following transmission lines:

(i) Jeypore-Gazuwaka 400 KV D/C inter-regional line.

(ii) Balimela (Orissa)-Upper Sileru (AP) 220 KV S/C inter-State line.

(iii) Machkund HEP (120 MW) in Orissa developed as a joint project for the States of Orissa and Andhra Pradesh linked by 132 KV D/C line with APSEB.

For transmitting surplus power from Eastern Region to Southern Region, a 500 MW HVDC back to back transmission link between Gazuwaka and Jaypore is under construction. This link is expected to be commissioned in early 1999.

Power can also be transferred from Eastern region to Southern region *via* Western region by the 1000 MW Chandrapur HVDC back to back link.

Growth of power capacity Vis-a-Vis GDP

4692. SHRI PREM CHAND GUPTA: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that for 1% growth of India's Gross Domestic Product (GDP), 1.7% growth of Power capacity would be necessary; and

(b) considering a GDP target of 7% whether Government are planning a capacity addition of 11.9% i.e. 10,000 MW per year?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM): (a) Elasticity of electricity generation with respect to G.D.P. is a broad indicator reflecting the relationship between growth in generation and G.D.P. The elasticity of electricity generation vis-a-vis G.D.P. has declined over time and is estimated to be 1.52% for the period 1980-81 to 1994-95.

(b) Capacity addition planning is basically done by analysing the factors affecting demand and supply of electricity over the relevant period. Demand is estimated over a period of five years using end use method. As per the working assumptions for Ninth Five Year Plan (1997-2002), the capacity addition is expected to be 40225 MW.

Recommendation of Shaakara Guruswamy Committee

4693. SHRI PREM CHAND GUPTA: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the Shankara Guruswamy Committee has prescribed 98.5% performance level from private transmission companies or pay penalties;

(b) whether it is also a fact that finance agencies are now reluctant to finance T&D projects because of this high performance guarantees; and

(c) whether Government plan to modify this recommendation to make it more reasonable to encourage private participation in this section?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM: (a) to (c) The Shankara Guruswamy Committee has recommended a normative availability level of 98.5% for 400 KV, AC transmission lines, for payment of contracted annual transmission charges. The CERC/SERC would regulate inter-state and intra-state transmission and also determine the transmission tariff having regard to operating parameters including line availability in the different geographical zones.